



## SEQUENCE LISTING

<110> Citovsky, Vitaly H  
Rhee, Yoon

<120> Genetic Assay for Protein Nuclear Transport

<130> 001.00301

<140> US 09/435,274

<141> 1999-11-05

<150> US 60/107,417

<151> 1998-11-06

<160> 13

<170> PatentIn Ver. 2.1

<210> 1

<211> 611

<212> DNA

<213> Unknown Organism

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<223> Description of Unknown Organism:bacterial

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<223> modified bacterial lexA

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acgcggctga agaacatctg aaggcgctgg cacgcaaagg cgttattgaa attgtttccg 180  
gcgcatcactcggattcgt ctgttcagg aagaggaaga agggttgcgc ctggtaggtc 240  
gtgtggctgc cggtaacca cttctggcgc aacagcatat tgaaggtcat tatcaggtcg 300  
atcccttcattt attcaagccg aatgctgatt tcctgctgcgc cgtcagcggg atgtcgatga 360  
aagatatacg cattatggat ggtgacttgc tggcagtgc taaaactcag gatgtacgta 420  
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agggcaataa agtcgaactg ttgccagaaa atagcgagtt taaaccaatt gtgttgacc 540  
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Asp His Ile Ser Gln Thr Gly Met Pro Pro Thr Arg Ala Glu Ile Ala  
20 25 30

Gln Arg Leu Gly Phe Arg Ser Pro Asn Ala Ala Glu Glu His Leu Lys  
35 40 45

Ala Leu Ala Arg Lys Gly Val Ile Glu Ile Val Ser Gly Ala Ser Arg  
50 55 60

Gly Ile Arg Leu Leu Gln Glu Glu Glu Gly Leu Pro Leu Val Gly  
65 70 75 80

Arg Val Ala Ala Gly Glu Pro Leu Leu Ala Gln Gln His Ile Glu Gly  
85 90 95

His Tyr Gln Val Asp Pro Ser Leu Phe Lys Pro Asn Ala Asp Phe Leu  
100 105 110

Leu Arg Val Ser Gly Met Ser Met Lys Asp Ile Gly Ile Met Asp Gly  
115 120 125

Asp Leu Leu Ala Val His Lys Thr Gln Asp Val Arg Asn Gly Gln Val  
130 135 140

Val Val Ala Arg Ile Asp Asp Glu Val Thr Val Lys Gly Leu Glu Lys  
145 150 155 160

Gln Gly Asn Lys Val Glu Leu Leu Pro Glu Asn Ser Glu Phe Lys Pro  
165 170 175

Ile Val Val Asp Leu Arg Gln Gln Ser Phe Thr Ile Glu Gly Leu Ala  
180 185 190

Val Gly Val Ile Arg Asn Gly Asp Trp Leu Glu Phe  
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<210> 3  
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<212> PRT  
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<223> large T antigen NLS

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Pro Lys Lys Lys Arg Lys Val  
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<210> 4  
<211> 16  
<212> PRT  
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<210> 5  
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<212> PRT  
<213> Human immunodeficiency virus type 1

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